

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings of claims in the Application.

1. (Previously Presented) An agent comprising:  
a first oxidant comprising a water-soluble permanganate,  
a second oxidant whose oxidation potential exceeds that of a mixture containing 50 mol% manganese VII and 50 mol% manganese VI; and  
a primary and/or secondary alkali carbonate,  
wherein the agent is in a liquid form and is storage-stable, and  
wherein concentrations of ingredients are such that the agent is pH buffered and storage-stable in liquid form.

2. (Previously Presented) The agent according to Claim 1, wherein the oxidation potential of the second oxidant is above that of  $\text{HO}_2^-$  to  $\text{OH}^-$ .

3. (Previously Presented) The agent according to Claim 1, wherein the second oxidant comprises a persulfate.

<sup>4</sup> ~~4~~. (Previously Presented) The agent according to Claim ~~1~~<sup>4</sup>, wherein the peroxodisulfate comprises sodium peroxodisulfate.

<sup>5</sup> ~~5~~. (Previously Presented) The agent according to Claim 1, wherein the permanganate comprises potassium permanganate.

<sup>6</sup> ~~6~~. (Previously Presented) The agent according to Claim 1, wherein the agent comprises sodiumtripolyphosphate.

18 ~~1~~. (Previously Presented) The agent according to Claim 1, wherein the agent contains sodium hexametaphosphate.

19 ~~8~~. (Previously Presented) The agent according to Claim 1, wherein the agent comprises the following composition:

- 3-5% sodiumperoxodisulfate,
- 0.06-0.08% potassium permanganate,
- 5-7% sodium tripolyphosphate,
- 9-11% sodium hexametaphosphate,
- 2.0-3.0%, of the mixture of sodium carbonate and sodium hydrogen carbonate.

20 ~~p~~. (Previously Presented): A method for cleaning, disinfection, and monitoring cleanliness, comprising: combining the agent of Claim 1 with water to form a first aqueous solution;

combining an alkaline agent with the first aqueous solution to form a second aqueous solution, wherein the alkaline agent is configured to ensure a pH of the second aqueous solution of at least 11;

and

tracking the cleaning progress by monitoring an intensity of light passed through the second aqueous solution.

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21 ~~1p~~. (Previously Presented) The method according to Claim ~~9~~, wherein the light comprises violet, green and/or yellow wavelength.

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22 ~~1~~. (Previously Presented) The method according to Claim ~~9~~, further comprising circulating the second aqueous solution through the components to be cleaned and/or disinfected.

12. (Canceled):

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<sup>23</sup> ~~12~~. (Previously Presented) The method according to Claim ~~9~~, wherein the agent comprises the following composition:

- 3-5% sodium peroxodisulfate,
- 0.06-0.08% potassium permanganate,
- 5-7% sodium tripolyphosphate,
- 9-11% sodium hexametaphosphate,
- 2.0-3.0%, of a mixture of sodium carbonate and sodium hydrogen carbonate.

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<sup>24</sup> ~~13~~. (Previously Presented) The method according to Claim ~~9~~, wherein the monitoring the intensity of the light is ascertained automatically.

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<sup>25</sup> ~~15~~. (Previously Presented) The method according to Claim ~~9~~, wherein the cleanliness is calculated from the intensity change of the light passed through the second aqueous solution and the quantity of the agent used.

16. – 17. (Canceled)

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<sup>26</sup> ~~17~~. (Previously Presented): The method according to Claim ~~9~~, further comprising circulating the alkaline agent through the components to be cleaned and/or disinfected and subsequently combining the alkaline agent with the first aqueous solution.

<sup>4</sup> ~~19~~. (Previously Presented): The agent according to Claim 3, wherein the second oxidant comprises a peroxodisulfate.

<sup>8</sup> ~~20~~. (Previously Presented) The agent according to Claim 1, wherein the agent is in a liquid form and storage-stable.

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<sup>27</sup> ~~21~~. (Previously Presented) The method of Claim ~~9~~, wherein the method is configured to clean carbonators, fillers or brewery.

<sup>9</sup> ~~22~~. (Previously Presented) The composition of Claim 1, wherein the composition changes color on contact with the substance external to the composition, wherein said color change allows a visual evaluation of an amount of the substance external to the composition oxidized by the composition.

<sup>10</sup> ~~23~~. (Previously Presented) The composition as Claimed in Claim 1, wherein the color change is from purple to a second color other than purple.

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<sup>11</sup> ~~24~~. (Previously Presented) The composition as Claimed in Claim ~~23~~, wherein the second color is green.

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<sup>12</sup> ~~25~~. (Previously Presented) The composition as Claimed in Claim ~~23~~, wherein the second color is yellow.

<sup>13</sup> ~~26~~. (Previously Presented) The composition as Claimed in Claim 1, wherein the composition changes color upon contact with a substance external to the composition, wherein the substance external to the composition comprises an organic substance.

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<sup>14</sup> ~~27~~. (Previously Presented) The composition of Claim ~~26~~, wherein the water-soluble permanganate reacts with the organic substance.

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<sup>15</sup> ~~28~~. (Previously Presented) The composition of Claim ~~26~~, wherein a peroxodisulfate reacts with the organic substance.

<sup>16</sup> ~~29~~. (Previously Presented) The composition as Claimed in Claim 1, wherein the composition changes color upon contact with a substance external to the composition, wherein the substance external to the composition comprises an organic substance, the second oxidant comprises peroxodisulfate, and both the water-soluble permanganate and the peroxodisulfate react with the organic substance.

<sup>17</sup> ~~30~~. (Previously Presented) The composition as Claimed in Claim 1, wherein the agent comprises: a peroxodisulfate, a polyphosphate, a metaphosphate, and a carbonate.

<sup>29</sup> ~~31~~. (Previously Presented) An agent comprising:  
a first oxidant comprising a water-soluble permanganate,  
a second oxidant whose oxidation potential exceeds that of a mixture containing 50 mol% manganese VII and 50 mol% manganese VI; and  
a pH buffer,  
wherein the agent is in a liquid form and is storage-stable, and  
wherein concentrations of ingredients are such that the agent is pH buffered and storage-stable in liquid form.

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<sup>30</sup> ~~32~~. (Previously Presented) The agent of Claim ~~31~~, wherein the pH buffer comprises an alkali.

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<sup>31</sup> ~~33~~. (Previously Presented) The agent of Claim ~~32~~, wherein the alkali comprises a primary and/or secondary alkali carbonate.

<sup>33</sup> ~~34~~. (Previously Presented) An aqueous solution comprising an agent, the agent comprising:  
a first oxidant comprising a water-soluble permanganate,

a second oxidant whose oxidation potential exceeds that of a mixture containing 50 mol% manganese VII and 50 mol% manganese VI; and  
a pH buffer,  
wherein the agent is in a liquid form and is storage-stable, and  
wherein concentrations of ingredients are such that the agent is pH buffered and storage-stable in liquid form.

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<sup>34</sup> ~~35~~. (Previously Presented) The aqueous solution of Claim ~~34~~, wherein the pH buffer comprises an alkali.

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<sup>35</sup> ~~36~~. (Previously Presented) The aqueous solution of Claim ~~35~~, wherein the alkali comprises a primary and/or secondary alkali carbonate.

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<sup>36</sup> ~~37~~. (Previously Presented) The aqueous solution of Claim ~~34~~, further comprising an alkaline agent, wherein the alkaline agent is configured to ensure a pH of the aqueous solution of at least 11.

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<sup>37</sup> ~~38~~. (Previously Presented) The aqueous solution of Claim ~~34~~, further comprising an alkaline agent, wherein the alkaline agent is configured to ensure a pH of the aqueous solution of at least 12.

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<sup>32</sup> ~~39~~. (Previously Presented) The agent of Claim ~~31~~, further comprising a hardness stabilizer.

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<sup>38</sup> ~~40~~. (Previously Presented) The agent of Claim ~~38~~, wherein the hardness stabilizer comprises a polyphosphate.

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<sup>39</sup> ~~41~~. (Previously Presented) The aqueous solution of Claim ~~34~~, further comprising a hardness stabilizer.

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<sup>40</sup> ~~42~~. (Previously Presented) The aqueous solution of Claim ~~41~~, wherein the hardness stabilizer comprises a polyphosphate.

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<sup>41</sup> ~~43~~. (Previously Presented) The aqueous solution of Claim ~~34~~, wherein the aqueous solution is ready for use in cleaning a surface in a plant.

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<sup>28</sup> ~~44~~. (Previously Presented) The method of Claim ~~9~~, wherein the second aqueous solution is in a form ready for use in cleaning a surface in a plant.

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<sup>42</sup> ~~45~~. (Previously Presented) The aqueous solution of Claim ~~37~~, wherein the aqueous solution is ready for use in cleaning a surface in a plant.

46-57. (Canceled)